Public Disclosure Document

Title: Dual-Layer Charcoal System for Controlled Oud and Incense Heating
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Date: 5/16/2025

Status: Public Disclosure for Prior Art Purposes

Abstract

This invention presents a new type of charcoal system designed specifically for the controlled heating of oud and incense. Inspired by the Japanese Kōdō technique, it uses a dual-density charcoal structure to manage ignition speed and temperature distribution. The system allows safe use of mica plates and incense chips without risk of extinguishment or overburning, eliminating the need for traditional ash layering.

Background and Problem

Traditional incense heating methods require precise temperature control, especially when using **mica plates to vaporize oud or incense**. If the plate is placed directly on a conventional charcoal piece, it may either:

- **Extinguish the charcoal** due to blocked airflow, or
- **Overheat the incense**, causing it to burn instead of vaporizing gently.

To address this, Kōdō practitioners shape ash and use specialized techniques that are slow and difficult to reproduce consistently. Modern charcoal users face the same challenges and often rely on ash layering, which is messy, inconsistent, and inconvenient.

Summary of the Invention

The invention introduces a **dual-layer charcoal piece** optimized for incense heating. It consists of:

1. A **top soft (low-density) ignition layer** that lights quickly and forms ash.
2. A **bottom dense (high-density) heating layer** that gradually heats up to ideal vaporization temperature.

This structure removes the need for manual ash preparation and ensures consistent heat flow compatible with mica plate setups. The charcoal is lit from the top and burns downward, with the ash layer forming naturally as a barrier to prevent overburn.

Detailed Description of Variants

1. Disc or Cube Variant

- Dual-layer: Top soft cushion (fast ignition), bottom dense base (stable heat).
- Ratio: Soft-to-dense layer density ~1:2 or 1:3 depending on burn time.
- Optional center **convection hole** to promote airflow and ignition.
- Designed to be placed on a **ventilated stand**, torch-lit from above.

2. Volcano Shape Variant

- Shaped like a Kōdō-style volcano, with soft cone on top and dense base.
- Wide enough to place mica plate and cartridge comfortably on top.
- Burns top-down with ash forming naturally during use.

3. Lava Rock Ventilated Base

- Optional disposable base integrated from lava rock or pumice.
- Enhances oxygen flow from below while reducing excess bottom heat.
- Improves consistency of glowing and stability of combustion.

4. Mica + Oud Cartridge

- A disposable cartridge with a **mica plate and pin-mounted oud chip**.
- Sized to fit any of the charcoal shapes.
- Simply placed on top—no ash mounding, no manual chip handling required.
- Ideal for beginners and traditionalists alike.

Functional Specs

- Ideal burn temperature range: **180°C–240°C** at mica surface.
- Burn time: Adjustable by size and density, typically 20–40 minutes.
- Torch-lit ignition; no need for slow traditional preheating.
- Fully compatible with Kōdō-style stands, incense burners, and mica trays.

Advantages

- Removes need for ash mounding.
- Prevents charcoal extinguishment under mica.
- Avoids incense overburn.
- Enables ready-to-use disposable incense cartridges.
- Adaptable to traditional or modern incense practices.

Intended Use

- Luxury oud ceremonies.
- Daily incense meditation.
- Precision aroma sessions.
- Integration with modern incense heater stands.

This document is publicly disclosed to establish prior art as of the timestamp date. It may be used to prevent future patent claims on the same system or as reference material for related filings